Exam 14.2.2014

521340S Communication Networks I (Tietoliikenneverkot I)

1. Discuss routing techniques in ad-hoc networks (proactive/reactive protocols).

2. Discuss in detail the following issues in network management

   a) The Simple Network Management Protocol
   b) Distributed Network Management
   c) Mobile Agent Based Network Management
   d) Ad Hoc Network Management

3. What are the characteristics of equivalent TCP protocol (congestion control) in sensor networks?

4. Discuss in detail the following design issues in Multihop Cellular Networks

   a) Multihop routing design/optimization
   b) Topology control
   c) Radio resource management
   d) Load balancing schemes

5. Describe the IEEE 802.11 Standard for WLANs.